1. A coupling unit adapted for providing at least one signal path between at least two of: a first device under test – DUT-, a first coupler, and a second coupler, wherein:

each signal path is adapted to provide a unidirectional serial communication,

the first coupler is adapted to be coupled to by a signal analyzer adapted to analyze signals received,

the first coupler is adapted to receive signals from the coupling unit at one or more inputs and to provide signals to the coupling unit from one or more outputs,

the second coupler is adapted to be coupled to by a second DUT, and

the second coupler is adapted to receive signals from the coupling unit at an input and to provide signals to the coupling unit from an output,

the coupling unit comprising a first and a second multiplexer, each adapted for selecting as its output one of its plural inputs, wherein:

an output of the first DUT is coupled to a first input of the first multiplexer and to a first input of the first coupler,

a first output of the first coupler is coupled to a second input of the first multiplexer,

the output of the first multiplexer is coupled to the input of the second coupler,

the output of the second coupler is coupled to a first input of the second multiplexer and to a second input of the first coupler,

a second output of the first coupler is coupled to a second input of the second multiplexer,

the output of the second multiplexer is coupled to an input of the first DUT.

2. The coupling unit of claim 1, wherein the signal analyzer is coupled to the first coupler, and at least one of the following is provided:

one input of the signal analyzer is coupled to the first input of the first coupler in order to analyze signals received from the output of the first DUT;

one output of the signal analyzer is coupled to the second output of the first coupler in order to provide signals to the input of the first DUT, wherein the second multiplexer selects its second input as its output.

3. The coupling unit of claim 1, wherein the second DUT is coupled to the second coupler, and at least one of the following is provided:

one input of the signal analyzer is coupled to the second input of the first coupler in order to analyze signals received from the second DUT coupled to the output of the second coupler;

one output of the signal analyzer is coupled to the first output of the first coupler in order to provide signals to the device coupled to the input of the second coupler, wherein the first multiplexer selects its second input as its output.

4. The coupling unit of claim 1, wherein:

the second DUT is coupled to the input and the output of the second coupler,

the signal analyzer is coupled to the first coupler in order to analyze signals transmitted between the first DUT and the second DUT, and

at least one of the following is provided:

> one input of signal analyzer is coupled to the first input of the first coupler, and the first multiplexer selects its first input as its output, and
>
> another input of signal analyzer is coupled to the second input of the first coupler, and the second multiplexer selects its first input as its output.

5. The coupling unit of claim 1, wherein:

the second DUT is coupled to the input and the output of the second coupler,

the signal analyzer is coupled to the first coupler in order to analyze signals transmitted between the first DUT and the second DUT, and

at least one of the following is provided:

> one input of the signal analyzer is coupled to the first input of the first coupler, one output of signal analyzer is coupled to the first output of the first coupler, and the first multiplexer selects its second input as its output, and
>
> another input of the signal analyzer is coupled to the

second input of the first coupler, another output of signal analyzer is coupled to the second output of the first coupler, and the second multiplexer selects its second input as its output.

6. The coupling unit of claim 1, wherein the signal analyzer is coupled to the first coupler, and at least one of the following is provided:

   one input of the signal analyzer is coupled to the first input of the first coupler, one output of signal analyzer is coupled to the second output of the first coupler, the output of the second multiplexer is coupled to a first input of a third multiplexer, the output of the first DUT is coupled to a second input of the third multiplexer, the third multiplexer selects its first input as its output, and the second multiplexer selects its second input as its output;

   another input of the signal analyzer is coupled to the second input of the first coupler, another output of signal analyzer is coupled to the first output of the first coupler, the first multiplexer selects its second input as its output, the output of the first multiplexer is coupled to a first input of a fourth multiplexer, the output of the second coupler is coupled to a second input of a fourth multiplexer, and the fourth multiplexer selects its first input as its output.

7. The coupling unit of claim 1, wherein the signal analyzer is adapted to analyze the received signals in order to execute at least one of:

   test and/or verify operation and/or functionality of at least one of the first and the second DUT,

   test and/or verify a communication and/or a communication path between the first and the second DUT, test and/or verify a communication protocol applied in a communication with at least one of the first and the second DUT,

test and/or verify a communication protocol applied in a communication between the first and the second DUT,

provide a response signal in response to the received signals at at least one output of the signal analyzer,

provide a response signal in response to the received signals at at least one output of the signal analyzer, wherein the response signal deviates from an expected or regular response signal to be provided in response to the received signals in order induce an error into the communication.

8. The coupling unit of claim 1, wherein the signal analyzer comprises a signal modification unit adapted to modify signals received and to provide the modified signals at at least one output of the signal analyzer.

9. The coupling unit of claim 1, wherein at least one of the first and second DUT is data processing unit adapted for processing digital data, preferably a computer.

10. A signal tester comprising:

a first and a second coupler,

a coupling unit adapted for providing at least one signal path between at least two of: a first device under test – DUT-, the first coupler, and the second coupler, and

a signal analyzer coupled to the first coupler and being adapted to analyze signals received, wherein:

each signal path is adapted to provide a unidirectional serial communication,

the first coupler is adapted to be coupled to by the signal analyzer,

the first coupler is adapted to receive signals from the coupling unit at one or more inputs and to provide signals to the coupling unit from one or more outputs,

the second coupler is adapted to be coupled to by a second DUT, and

the second coupler is adapted to receive signals from the coupling unit at an input and to provide signals to the coupling unit from an output,

the coupling unit comprising a first and a second multiplexer, each adapted for selecting as its output one of its plural inputs, wherein:

an output of the first DUT is coupled to a first input of the first multiplexer and to a first input of the first coupler,

a first output of the first coupler is coupled to a second input of the first multiplexer,

the output of the first multiplexer is coupled to the input of the second coupler,

the output of the second coupler is coupled to a first input of the second multiplexer and to a second input of the first coupler,

a second output of the first coupler is coupled to a second input of the second multiplexer, the output of the second multiplexer is coupled to an input of the first DUT.